

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	523	219/121.7.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 15:04
S2	320	(drill\$3 bore boring pierc \$3 (hole adj punch\$3)) same ((laser near4 (intensity intense power)) near10 (adjust\$4 increas \$3 decreas\$3))	US-PGPUB; USPAT	OR	ON	2010/06/03 15:21
S3	2	(drill\$3 bore boring pierc \$3 (hole adj punch\$3)) same ((laser near4 (intensity intense power)) near10 (adjust\$4 increas \$3 decreas\$3)) same ((multiple ceramic) near3 layer)	US-PGPUB; USPAT	OR	ON	2010/06/03 15:25
S4	12	(drill\$3 bore boring pierc \$3 (hole adj punch\$3)) same ((laser near4 (intensity intense power)) near10 (adjust\$4 increas \$3 decreas\$3)) same (ceramic (multiple near2 layer))	US-PGPUB; USPAT	OR	ON	2010/06/03 15:26
S5	3	S2 and borehole	US-PGPUB; USPAT	OR	ON	2010/06/03 15:28
S9	300	S2 and (diameter radius width depth)	US-PGPUB; USPAT	OR	ON	2010/06/03 15:41
S10	92	(drill\$3 bore boring pierc \$3 (hole adj punch\$3)) same ((laser near4 (intensity intense power)) near10 (adjust\$4 increas \$3 decreas\$3)) same (width diameter radius depth)	US-PGPUB; USPAT	OR	ON	2010/06/03 15:42
S11	12	("4794222"   "4959119"). PN. OR ("6680459"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/03 15:45
S12	207	(laser near4 (intensity intense power)) same ((bore microbore via microvia) near4 (width depth radius length))	US-PGPUB; USPAT	OR	ON	2010/06/03 16:18

S13	24	(laser near3 (intensity intense power)) same ((bore microbore via microvia) near4 (width radius diameter) near10 (adjust\$4 increas\$3 decreas\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/03 17:10
S14	9	("5124522"   "5690846"   "5751588"   "5841102"   "6143401"   "6171964"   "6407363"   "6430465"   "6433301").PN. OR ("6639179").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/03 17:13
S16	1	"7462801".pn.	USPAT	OR	ON	2010/06/03 17:18
S17	686	219/121.71.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:26
S18	515	219/121.61.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:26
S19	388	219/121.62.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:26
S20	523	219/121.7.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:32
S21	580	219/121.78.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:33
S22	743	219/121.82.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:33
S23	753	219/121.83.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:33
S24	1231	219/121.85.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/03 17:33
S25	2574	(S17 S18 S19 S20 S21 S22 S23 S24) and ((beam laser radiation irradiation) near4 (power intensity intense))	US-PGPUB; USPAT	OR	ON	2010/06/03 17:34
S26	795	(S17 S18 S19 S20 S21 S22 S23 S24) and (((beam laser radiation irradiation) near4 (power intensity intense)) near7 (adjust\$4 increas\$3 decreas\$3))	US-PGPUB; USPAT	OR	ON	2010/06/03 17:35

S27	72	(S17 S18 S19 S20 S21 S22 S23 S24) and (((beam laser radiation irradiation) near4 (power intensity intense)) near7 (adjust\$4 increas\$3 decreas\$3)) same (via microvia bore microbore))	US-PGPUB; USPAT	OR	ON	2010/06/03 17:36
S28	5	("2004/0112881").URPN.	USPAT	OR	ON	2010/06/03 17:42
S29	75	(drill\$3 bore boring pierc \$3 (hole adj punch\$3)) and ((laser near4 (intensity intense power)) with (adjust\$4 increas\$3 decreas\$3))	EPO; JPO; DERWENT	OR	ON	2010/06/03 17:44
S30	208	trepan\$4 near4 laser	US-PGPUB; USPAT	OR	ON	2010/06/03 17:55
S31	515	219/121.61.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/16 11:07
S32	4723	(drill\$3 bore boring pierc \$3 punch\$3) same (laser near4 (intensity intense power energy fluence))	US-PGPUB; USPAT	OR	ON	2010/06/16 11:49
S33	862	S32 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 11:49
S34	2370	(drill\$3 bore boring pierc \$3 punch\$3) near10 (laser near4 (intensity intense power energy fluence))	US-PGPUB; USPAT	OR	ON	2010/06/16 11:49
S35	484	S34 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 11:49
S36	886	((drill\$3 microbore bore via microvia boring pierc \$3 punch\$3) near4 (depth width height radius diameter length)) same (laser near4 (intensity intense power energy fluence))	US-PGPUB; USPAT	OR	ON	2010/06/16 11:51
S37	162	((microbore bore via microvia) near4 (depth width height radius diameter length)) near10 (laser near4 (intensity intense power energy fluence))	US-PGPUB; USPAT	OR	ON	2010/06/16 11:51
S38	4936	(microbore bore via microvia) near10 (laser near4 (intensity intense power energy fluence))	US-PGPUB; USPAT	OR	ON	2010/06/16 11:56

S39	440	S38 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 11:56
S40	275	(microbore bore via microvia) near10 (laser near4 (intensity intense power energy fluence) near4 (adjust\$4 increas\$3 decreas\$3 amplify\$3))	US-PGPUB; USPAT	OR	ON	2010/06/16 11:57
S41	733	(microbore bore via microvia hole aperture) near10 (laser near4 (intensity intense power energy fluence) near4 (adjust\$4 increas\$3 decreas\$3 amplify\$3))	US-PGPUB; USPAT	OR	ON	2010/06/16 11:57
S42	24	(trepan\$4 percussion (single adj pulse)) near10 (laser near4 (intensity intense power energy fluence) near4 (adjust\$4 increas\$3 decreas\$3 amplify\$3))	US-PGPUB; USPAT	OR	ON	2010/06/16 15:06
S43	141	((WOLFGANG) near2 (SCHULZ)).INV.	EPO; JPO; DERWENT	OR	ON	2010/06/16 15:06
S44	457	(trepan\$4 percussion (single adj pulse)) near10 (laser near4 (intensity intense power energy fluence))	US-PGPUB; USPAT	OR	ON	2010/06/16 15:07
S45	84	S44 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:07
S46	3744	(laser near4 (intensity intense power energy fluence)) near10 ((beam axis) near3 (width diameter radius))	US-PGPUB; USPAT	OR	ON	2010/06/16 15:12
S47	3015	(laser near4 (intensity intense power energy fluence)) near10 ((beam axis) near2 (width diameter radius))	US-PGPUB; USPAT	OR	ON	2010/06/16 15:12
S48	3004	(laser near4 (intensity power energy fluence)) near10 ((beam axis) near2 (width diameter radius))	US-PGPUB; USPAT	OR	ON	2010/06/16 15:13
S49	397	S48 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:13

S50	425	(laser near4 (intensity power energy fluence) near4 (adjust\$4 increas\$3 decreas\$3)) near10 ((beam axis) near2 (width diameter radius))	US-PGPUB; USPAT	OR	ON	2010/06/16 15:16
S51	670	(laser near4 (intensity power energy fluence)) near10 ((beam axis) near5 (width diameter radius) near5 (adjust\$4 increas\$3 decreas\$3))	US-PGPUB; USPAT	OR	ON	2010/06/16 15:17
S52	76	S51 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:17
S53	1171	Gauss\$ and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:30
S54	136	((Gaussian adj profile) and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:31
S55	153	((Gaussian adj (distribution profile)) near4 laser) and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:31
S56	201	((Gaussian adj (distribution profile)) near4 (beam axis)) and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:31
S59	92	(laser near4 (intensity power energy fluence)) near10 ((beam axis) near5 (width diameter radius) near5 (adjust\$4 increas\$3 decreas\$3))	EPO; JPO; DERWENT	OR	ON	2010/06/16 15:34
S60	3172	gaussian near4 laser near4 (beam axis)	US-PGPUB; USPAT	OR	ON	2010/06/16 15:59
S61	350	S60 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 15:59
S62	1884	(gaussian near2 (profile distribution)) near4 laser near4 (beam axis)	US-PGPUB; USPAT	OR	ON	2010/06/16 16:10
S63	187	S62 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 16:10
S64	9129	(adapt\$4 adjust\$4 change changing) near3 (intensity energy fluence) near7 laser	US-PGPUB; USPAT	OR	ON	2010/06/16 16:22
S65	795	S64 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 16:22

S66	697	((adapt\$4 adjust\$4 change changing) near3 (intensity energy fluence) near7 laser) same (bore microbore via microvia hole)	US-PGPUB; USPAT	OR	ON	2010/06/16 16:23
S67	95	S66 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 16:23
S68	107	((WOLFGANG) near2 (SCHULZ)).INV.	US-PGPUB; USPAT	OR	ON	2010/06/16 16:27
S69	255	turbine same (hole near7 diffus\$3)	US-PGPUB; USPAT	OR	ON	2010/06/16 16:57
S70	36	S69 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 16:57
S71	524	219/121.7.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/16 16:58
S72	16	("4737613"   "4762464"   "5223692"   "5609779"   "5683600"   "5739502"   "5837964"   "6307175").PN. OR ("6420677").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 17:00
S73	9	("4762464"   "4808785"   "5605639"   "5609779"   "5739502"   "6307175"   "6420677"   "6630645"   "6781091").PN. OR ("7019257").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 17:07
S74	17	laser same turbine same (hole near7 diffus\$3)	US-PGPUB; USPAT	OR	ON	2010/06/16 18:14
S75	81	laser and (turbine same (hole near7 diffus\$3))	US-PGPUB; USPAT	OR	ON	2010/06/16 18:15
S76	16	(laser near4 (intensity energy fluence)) near10 ((bore microbore via microvia hole aperture) near4 (diameter radius circumference width) near4 (adjust\$4 adapt\$4 increas\$3 decreas\$3))	US-PGPUB; USPAT	OR	ON	2010/06/16 18:17
S77	8	laser near10 (melt adj ejection)	US-PGPUB; USPAT	OR	ON	2010/06/16 18:22
S78	499	(trepan\$4 percussion (single adj pulse) helical) near10 (laser near4 (intensity intense power energy fluence))	US-PGPUB; USPAT	OR	ON	2010/06/16 18:28
S79	89	S78 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/16 18:28

S80	915	laser same ((diameter width radius) near7 (hole aperture bore microbore via microvia) near7 (depth height))	US-PGPUB; USPAT	OR	ON	2010/06/16 18:33
S81	165	(laser near4 (intensity energy fluence power)) same ((diameter width radius) near7 (hole aperture bore microbore via microvia) near7 (depth height))	US-PGPUB; USPAT	OR	ON	2010/06/16 18:33
S82	1	"20070193986".pn.	US-PGPUB; USPAT	OR	ON	2010/06/16 18:40
S83	524	219/121.7.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/16 19:20
S84	350	(drill\$3 bore boring punch \$3) same laser same ((intensity fluence energy) near4 (adjust\$4 increas\$3 decreas\$3 adapt\$4))	US-PGPUB; USPAT	OR	ON	2010/06/16 19:26
S85	18	(drill\$3 bore boring punch \$3) same laser same ((intensity fluence energy) near4 (adjust\$4 increas\$3 decreas\$3 adapt\$4)) same laminat\$3	US-PGPUB; USPAT	OR	ON	2010/06/16 19:27
S86	22	(drill\$3 bore boring punch \$3) same laser same ((intensity fluence energy) near4 (adjust\$4 increas\$3 decreas\$3 adapt\$4)) same (laminat laminated multi\$1layer\$2 (multiple adj layer))	US-PGPUB; USPAT	OR	ON	2010/06/16 19:28
S87	46	(US-20100027570-\$ or US-20090296748-\$ or US-20080150089-\$ or US-20050263497-\$ or US-20050145605-\$ or US-20040200818-\$ or US-20040173942-\$ or US-20040112881-\$ or US-20030152756-\$ or US-20020121507-\$ or US-20040045322-\$ or US-20020040893-\$ or US-20010029065-\$ or US-20070145024-\$ or US-20010009250-\$ or US-20070119832-\$ or US-20040094524-\$ or US-20040017430-\$).did. or	US-PGPUB; USPAT; EPO	OR	ON	2010/06/16 21:11

		(US-7663064-\$ or US-6803540-\$ or US-6680459-\$ or US-5512078-\$ or US-3996527-\$ or US-5628926-\$ or US-7118989-\$ or US-7067198-\$ or US-6639179-\$ or US-5124522-\$ or US-6433301-\$ or US-4038513-\$ or US-5856648-\$ or US-5910255-\$ or US-5483037-\$ or US-5731047-\$ or US-5841099-\$ or US-6015090-\$ or US-6103992-\$ or US-6784399-\$ or US-3597578-\$ or US-6388231-\$ or US-4275288-\$ or US-6420677-\$ or US-7019257-\$ or US-4114018-\$).did. or (US-6023041-\$).did. or (WO-9822252-\$).did.				
S88	3	S87 and resonator	US-PGPUB; USPAT	OR	ON	2010/06/16 21:11
S89	1	S87 and axicon	US-PGPUB; USPAT	OR	ON	2010/06/16 21:22
S90	5218	laser same heat\$3 same (bore boring drill\$3 punch \$3)	US-PGPUB; USPAT	OR	ON	2010/06/17 08:40
S91	518	S90 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/17 08:40
S92	754	laser same (heat\$3 near7 (lamp vapor thermal radiaiton)) same (bore boring drill\$3 punch\$3)	US-PGPUB; USPAT	OR	ON	2010/06/17 08:44
S93	50	S92 and "219".clas.	US-PGPUB; USPAT	OR	ON	2010/06/17 08:44
S94	12	laser same (heat\$3 near7 (arc adj lamp) (halogen adj lamp)) same (bore boring drill\$3 punch\$3)	US-PGPUB; USPAT	OR	ON	2010/06/17 08:58
S95	34	laser and ((heat\$3 near7 (arc adj lamp) (halogen adj lamp)) same (bore boring drill\$3 punch\$3))	US-PGPUB; USPAT	OR	ON	2010/06/17 09:01
S96	5	(thermal adj laser) same (heat\$3 near7 (lamp vapor thermal radiaiton)) same (bore boring drill\$3 punch\$3)	US-PGPUB; USPAT	OR	ON	2010/06/17 09:09



S97	72	laser and (((arc adj lamp) (halogen adj lamp)) same (bore boring drill\$3 punch \$3))	US-PGPUB; USPAT	OR	ON	2010/06/17 09:44
S98	33	laser same (((arc adj lamp) (halogen adj lamp)) same (bore boring drill\$3 punch\$3))	US-PGPUB; USPAT	OR	ON	2010/06/17 09:44

### EAST Search History (Interference)

< This search history is empty >

**6/ 17/ 2010 4:15:28 PM**

**C:\ Documents and Settings\ jwasaff\ My Documents\ EAST\ Workspaces\ 10594052.wsp**